

ALMANAC

LXII

SIMULTANEOUS TRANSITS IN CE

The almanac LXII contains a list of simultaneous transits from the 1st millennium CE to the 125th millennium CE.

During the period of 250 000 years, the total number of simultaneous transits is 452 simultaneous transits.

FROM/ OF	FIRST JD	FIRST DATE	TIME	C	LAST JD	LAST DATE	TIME	C
Saturn	2300450.83	1586-04-27 07:55 G		2300450.92	1586-04-27 10:04 G			
Venus	2300450.51	1586-04-27 00:14 G		2300450.92	1586-04-27 10:04 G			
Mercury	2300450.83	1586-04-27 07:55 G		2300451.10	1586-04-27 14:24 G			
Neptune	2767832.98	2865-12-19 11:31 G		2767833.14	2865-12-19 15:21 G			
Mercury	2767832.97	2865-12-19 11:16 G		2767833.21	2865-12-19 17:02 G			
Venus	2767832.98	2865-12-19 11:31 G		2767833.14	2865-12-19 15:21 G			
Saturn	2778951.32	2896-05-28 19:40 G		2778951.37	2896-05-28 20:52 G			

Venus	2778950.97	2896-05-28 11:16 G	2778951.37	2896-05-28 20:52 G
Mercury	2778951.32	2896-05-28 19:40 G	2778951.56	2896-05-29 01:26 G
Saturn	3112175.78	3808-09-30 06:43 G	3112175.90	3808-09-30 09:35 G
Mercury	3112175.75	3808-09-30 06:00 G	3112175.90	3808-09-30 09:35 G
Venus	3112175.78	3808-09-30 06:43 G	3112176.16	3808-09-30 15:50 G
Neptune	3369806.96	4514-02-12 11:02 G	3369807.06	4514-02-12 13:26 G
Venus	3369806.64	4514-02-12 03:21 G	3369807.08	4514-02-12 13:55 G
Mercury	3369806.96	4514-02-12 11:02 G	3369807.06	4514-02-12 13:26 G
Uranus	3670521.44	5337-06-11 22:33 G	3670521.60	5337-06-12 02:24 G
Earth	3670521.19	5337-06-11 16:33 G	3670521.60	5337-06-12 02:24 G
Mercury	3670521.44	5337-06-11 22:33 G	3670521.69	5337-06-12 04:33 G
Uranus	3670521.44	5337-06-11 22:33 G	3670521.60	5337-06-12 02:24 G
Earth	3670521.19	5337-06-11 16:33 G	3670521.60	5337-06-12 02:24 G
Moon	3670521.33	5337-06-11 19:55 G	3670521.75	5337-06-12 06:00 G
Mercury	3670521.44	5337-06-11 22:33 G	3670521.69	5337-06-12 04:33 G
Uranus	3670521.44	5337-06-11 22:33 G	3670521.69	5337-06-12 04:33 G
Moon	3670521.33	5337-06-11 19:55 G	3670521.75	5337-06-12 06:00 G
Mercury	3670521.44	5337-06-11 22:33 G	3670521.69	5337-06-12 04:33 G
Saturn	3698985.62	5415-05-19 02:52 G	3698985.67	5415-05-19 04:04 G
Venus	3698985.33	5415-05-18 19:55 G	3698985.67	5415-05-19 04:04 G
Mercury	3698985.62	5415-05-19 02:52 G	3698985.89	5415-05-19 09:21 G
Uranus	4238679.21	6893-01-02 17:02 G	4238679.45	6893-01-02 22:48 G
Mercury	4238679.20	6893-01-02 16:48 G	4238679.45	6893-01-02 22:48 G
Moon	4238679.21	6893-01-02 17:02 G	4238679.73	6893-01-03 05:31 G
Uranus	4238679.31	6893-01-02 19:26 G	4238679.45	6893-01-02 22:48 G
Mercury	4238679.20	6893-01-02 16:48 G	4238679.45	6893-01-02 22:48 G
Earth	4238679.31	6893-01-02 19:26 G	4238679.82	6893-01-03 07:40 G
Uranus	4238679.31	6893-01-02 19:26 G	4238679.45	6893-01-02 22:48 G
Mercury	4238679.20	6893-01-02 16:48 G	4238679.45	6893-01-02 22:48 G
Moon	4238679.21	6893-01-02 17:02 G	4238679.73	6893-01-03 05:31 G

Earth	4238679.31	6893-01-02 19:26 G	4238679.82	6893-01-03 07:40 G
Neptune	4481507.24	7557-11-06 17:45 G	4481507.35	7557-11-06 20:23 G
Mercury	4481507.00	7557-11-06 12:00 G	4481507.35	7557-11-06 20:23 G
Venus	4481507.24	7557-11-06 17:45 G	4481507.68	7557-11-07 04:19 G
Neptune	4541501.69	7722-02-09 04:33 G	4541502.04	7722-02-09 12:57 G
Venus	4541501.63	7722-02-09 03:07 G	4541502.05	7722-02-09 13:11 G
Mercury	4541501.69	7722-02-09 04:33 G	4541502.04	7722-02-09 12:57 G
Neptune	4601496.39	7886-05-14 21:21 G	4601496.45	7886-05-14 22:48 G
Venus	4601496.05	7886-05-14 13:11 G	4601496.45	7886-05-14 22:48 G
Mercury	4601496.39	7886-05-14 21:21 G	4601496.74	7886-05-15 05:45 G
Uranus	4652698.75	8026-07-22 06:00 G	4652698.93	8026-07-22 10:19 G
Moon	4652698.57	8026-07-22 01:40 G	4652698.93	8026-07-22 10:19 G
Mercury	4652698.75	8026-07-22 06:00 G	4652699.06	8026-07-22 13:26 G
Uranus	4652698.75	8026-07-22 06:00 G	4652698.93	8026-07-22 10:19 G
Moon	4652698.57	8026-07-22 01:40 G	4652698.93	8026-07-22 10:19 G
Earth	4652698.67	8026-07-22 04:04 G	4652699.00	8026-07-22 12:00 G
Mercury	4652698.75	8026-07-22 06:00 G	4652699.06	8026-07-22 13:26 G
Uranus	4652698.75	8026-07-22 06:00 G	4652699.00	8026-07-22 12:00 G
Earth	4652698.67	8026-07-22 04:04 G	4652699.00	8026-07-22 12:00 G
Mercury	4652698.75	8026-07-22 06:00 G	4652699.06	8026-07-22 13:26 G
Uranus	4759896.50	8320-01-21 00:00 G	4759896.53	8320-01-21 00:43 G
Moon	4759896.04	8320-01-20 12:57 G	4759896.53	8320-01-21 00:43 G
Mercury	4759896.50	8320-01-21 00:00 G	4759896.71	8320-01-21 05:02 G
Uranus	4759896.50	8320-01-21 00:00 G	4759896.53	8320-01-21 00:43 G
Moon	4759896.04	8320-01-20 12:57 G	4759896.53	8320-01-21 00:43 G
Earth	4759896.07	8320-01-20 13:40 G	4759896.55	8320-01-21 01:11 G
Mercury	4759896.50	8320-01-21 00:00 G	4759896.71	8320-01-21 05:02 G
Uranus	4759896.50	8320-01-21 00:00 G	4759896.55	8320-01-21 01:11 G
Earth	4759896.07	8320-01-20 13:40 G	4759896.55	8320-01-21 01:11 G
Mercury	4759896.50	8320-01-21 00:00 G	4759896.71	8320-01-21 05:02 G

Neptune	5203470.59	9534-07-09 02:09 G	5203470.69	9534-07-09 04:33 G
Mercury	5203470.41	9534-07-08 21:50 G	5203470.69	9534-07-09 04:33 G
Venus	5203470.59	9534-07-09 02:09 G	5203470.92	9534-07-09 10:04 G
Neptune	5263465.14	9698-10-10 15:21 G	5263465.41	9698-10-10 21:50 G
Venus	5263465.06	9698-10-10 13:26 G	5263465.41	9698-10-10 21:50 G
Mercury	5263465.14	9698-10-10 15:21 G	5263465.45	9698-10-10 22:48 G
Jupiter	5265489.20	9704-04-26 16:48 G	5265489.46	9704-04-26 23:02 G
Venus	5265489.05	9704-04-26 13:11 G	5265489.46	9704-04-26 23:02 G
Mercury	5265489.20	9704-04-26 16:48 G	5265489.51	9704-04-27 00:14 G
Neptune	5323459.87	9863-01-14 08:52 G	5323459.90	9863-01-14 09:36 G
Venus	5323459.52	9863-01-14 00:28 G	5323459.90	9863-01-14 09:36 G
Mercury	5323459.87	9863-01-14 08:52 G	5323460.20	9863-01-14 16:48 G
Jupiter	5900152.20	11441-12-19 16:48 G	5900152.46	11441-12-19 23:02 G
Venus	5900152.09	11441-12-19 14:09 G	5900152.49	11441-12-19 23:45 G
Mercury	5900152.20	11441-12-19 16:48 G	5900152.46	11441-12-19 23:02 G
Jupiter	5943521.82	11560-09-16 07:40 G	5943522.09	11560-09-16 14:09 G
Venus	5943521.80	11560-09-16 07:11 G	5943522.13	11560-09-16 15:07 G
Mercury	5943521.82	11560-09-16 07:40 G	5943522.09	11560-09-16 14:09 G
Uranus	6432138.45	12898-06-29 22:48 G	6432138.58	12898-06-30 01:55 G
Venus	6432138.15	12898-06-29 15:36 G	6432138.58	12898-06-30 01:55 G
Mercury	6432138.45	12898-06-29 22:48 G	6432138.72	12898-06-30 05:16 G
Neptune	6676039.90	13566-04-11 09:36 G	6676040.06	13566-04-11 13:26 G
Mercury	6676039.81	13566-04-11 07:26 G	6676040.06	13566-04-11 13:26 G
Venus	6676039.90	13566-04-11 09:36 G	6676040.23	13566-04-11 17:31 G
Neptune	6736034.65	13730-07-15 03:36 G	6736034.73	13730-07-15 05:31 G
Venus	6736034.37	13730-07-14 20:52 G	6736034.73	13730-07-15 05:31 G
Mercury	6736034.65	13730-07-15 03:36 G	6736034.86	13730-07-15 08:38 G
Uranus	6769411.22	13821-12-01 17:16 G	6769411.55	13821-12-02 01:12 G
Venus	6769411.14	13821-12-01 15:21 G	6769411.55	13821-12-02 01:12 G
Mercury	6769411.22	13821-12-01 17:16 G	6769411.56	13821-12-02 01:26 G

Uranus	7106684.49	14745-05-04 23:45 G	7106684.58	14745-05-05 01:55 G
Mercury	7106684.26	14745-05-04 18:14 G	7106684.58	14745-05-05 01:55 G
Venus	7106684.49	14745-05-04 23:45 G	7106684.89	14745-05-05 09:21 G
Neptune	7245085.35	15124-04-08 20:24 G	7245085.54	15124-04-09 00:57 G
Jupiter	7245084.76	15124-04-08 06:14 G	7245085.64	15124-04-09 03:21 G
Venus	7245085.35	15124-04-08 20:24 G	7245085.54	15124-04-09 00:57 G
Uranus	7582036.26	16046-10-22 18:14 G	7582036.47	16046-10-22 23:16 G
Venus	7582036.18	16046-10-22 16:19 G	7582036.59	16046-10-23 02:09 G
Mercury	7582036.26	16046-10-22 18:14 G	7582036.47	16046-10-22 23:16 G
Uranus	7828087.57	16720-06-23 01:40 G	7828087.78	16720-06-23 06:43 G
Venus	7828087.48	16720-06-22 23:31 G	7828087.78	16720-06-23 06:43 G
Mercury	7828087.57	16720-06-23 01:40 G	7828087.85	16720-06-23 08:24 G
Uranus	8165360.87	17643-11-24 08:52 G	8165361.13	17643-11-24 15:07 G
Venus	8165360.83	17643-11-24 07:55 G	8165361.13	17643-11-24 15:07 G
Mercury	8165360.87	17643-11-24 08:52 G	8165361.18	17643-11-24 16:19 G
Neptune	8177930.19	17678-04-23 16:33 G	8177930.23	17678-04-23 17:31 G
Venus	8177929.79	17678-04-23 06:57 G	8177930.23	17678-04-23 17:31 G
Earth	8177930.19	17678-04-23 16:33 G	8177930.41	17678-04-23 21:50 G
Uranus	8502634.14	18567-04-27 15:21 G	8502634.42	18567-04-27 22:04 G
Venus	8502634.13	18567-04-27 15:07 G	8502634.45	18567-04-27 22:48 G
Mercury	8502634.14	18567-04-27 15:21 G	8502634.42	18567-04-27 22:04 G
Mars	8556122.85	18713-10-08 08:24 G	8556122.95	18713-10-08 10:48 G
Venus	8556122.61	18713-10-08 02:38 G	8556122.95	18713-10-08 10:48 G
Mercury	8556122.85	18713-10-08 08:24 G	8556122.99	18713-10-08 11:45 G
Mars	8856658.26	19536-08-09 18:14 G	8856658.43	19536-08-09 22:19 G
Mercury	8856658.26	19536-08-09 18:14 G	8856658.43	19536-08-09 22:19 G
Venus	8856658.26	19536-08-09 18:14 G	8856658.60	19536-08-10 02:24 G
Saturn	8889641.34	19626-11-28 20:09 G	8889641.63	19626-11-29 03:07 G
Earth	8889641.30	19626-11-28 19:12 G	8889641.78	19626-11-29 06:43 G
Mercury	8889641.34	19626-11-28 20:09 G	8889641.63	19626-11-29 03:07 G

Saturn	8889641.45	19626-11-28 22:48 G	8889641.63	19626-11-29 03:07 G
Earth	8889641.30	19626-11-28 19:12 G	8889641.78	19626-11-29 06:43 G
Mercury	8889641.34	19626-11-28 20:09 G	8889641.63	19626-11-29 03:07 G
Moon	8889641.45	19626-11-28 22:48 G	8889641.93	19626-11-29 10:19 G
Saturn	8889641.45	19626-11-28 22:48 G	8889641.63	19626-11-29 03:07 G
Mercury	8889641.34	19626-11-28 20:09 G	8889641.63	19626-11-29 03:07 G
Moon	8889641.45	19626-11-28 22:48 G	8889641.93	19626-11-29 10:19 G
Mars	9036643.00	20029-05-21 12:00 G	9036643.01	20029-05-21 12:14 G
Venus	9036642.67	20029-05-21 04:04 G	9036643.01	20029-05-21 12:14 G
Mercury	9036643.00	20029-05-21 12:00 G	9036643.19	20029-05-21 16:33 G
Neptune	9323385.62	20814-06-18 02:52 G	9323385.92	20814-06-18 10:04 G
Earth	9323385.48	20814-06-17 23:31 G	9323385.96	20814-06-18 11:02 G
Mercury	9323385.62	20814-06-18 02:52 G	9323385.92	20814-06-18 10:04 G
Neptune	9323385.62	20814-06-18 02:52 G	9323385.92	20814-06-18 10:04 G
Earth	9323385.48	20814-06-17 23:31 G	9323385.96	20814-06-18 11:02 G
Moon	9323385.58	20814-06-18 01:55 G	9323386.06	20814-06-18 13:26 G
Mercury	9323385.62	20814-06-18 02:52 G	9323385.92	20814-06-18 10:04 G
Neptune	9323385.62	20814-06-18 02:52 G	9323385.92	20814-06-18 10:04 G
Moon	9323385.58	20814-06-18 01:55 G	9323386.06	20814-06-18 13:26 G
Mercury	9323385.62	20814-06-18 02:52 G	9323385.92	20814-06-18 10:04 G
Neptune	9700061.93	21845-10-07 10:19 G	9700062.17	21845-10-07 16:04 G
Mars	9700061.78	21845-10-07 06:43 G	9700062.17	21845-10-07 16:04 G
Moon	9700061.93	21845-10-07 10:19 G	9700062.43	21845-10-07 22:19 G
Neptune	9700061.99	21845-10-07 11:45 G	9700062.17	21845-10-07 16:04 G
Mars	9700061.78	21845-10-07 06:43 G	9700062.17	21845-10-07 16:04 G
Earth	9700061.99	21845-10-07 11:45 G	9700062.50	21845-10-08 00:00 G
Neptune	9700061.99	21845-10-07 11:45 G	9700062.17	21845-10-07 16:04 G
Mars	9700061.78	21845-10-07 06:43 G	9700062.17	21845-10-07 16:04 G
Moon	9700061.93	21845-10-07 10:19 G	9700062.43	21845-10-07 22:19 G
Earth	9700061.99	21845-10-07 11:45 G	9700062.50	21845-10-08 00:00 G

Jupiter	10212962.41	23250-01-14 21:50 G	10212962.63	23250-01-15 03:07 G
Moon	10212962.16	23250-01-14 15:50 G	10212962.65	23250-01-15 03:36 G
Mercury	10212962.41	23250-01-14 21:50 G	10212962.63	23250-01-15 03:07 G
Jupiter	10212962.41	23250-01-14 21:50 G	10212962.63	23250-01-15 03:07 G
Moon	10212962.16	23250-01-14 15:50 G	10212962.65	23250-01-15 03:36 G
Earth	10212962.18	23250-01-14 16:19 G	10212962.65	23250-01-15 03:36 G
Mercury	10212962.41	23250-01-14 21:50 G	10212962.63	23250-01-15 03:07 G
Jupiter	10212962.41	23250-01-14 21:50 G	10212962.63	23250-01-15 03:07 G
Earth	10212962.18	23250-01-14 16:19 G	10212962.65	23250-01-15 03:36 G
Mercury	10212962.41	23250-01-14 21:50 G	10212962.63	23250-01-15 03:07 G
Saturn	10254935.93	23364-12-16 10:19 G	10254936.23	23364-12-16 17:31 G
Earth	10254935.83	23364-12-16 07:55 G	10254936.23	23364-12-16 17:31 G
Venus	10254935.93	23364-12-16 10:19 G	10254936.33	23364-12-16 19:55 G
Saturn	10254935.96	23364-12-16 11:02 G	10254936.23	23364-12-16 17:31 G
Earth	10254935.83	23364-12-16 07:55 G	10254936.23	23364-12-16 17:31 G
Venus	10254935.93	23364-12-16 10:19 G	10254936.33	23364-12-16 19:55 G
Moon	10254935.96	23364-12-16 11:02 G	10254936.36	23364-12-16 20:38 G
Saturn	10254935.96	23364-12-16 11:02 G	10254936.33	23364-12-16 19:55 G
Venus	10254935.93	23364-12-16 10:19 G	10254936.33	23364-12-16 19:55 G
Moon	10254935.96	23364-12-16 11:02 G	10254936.36	23364-12-16 20:38 G
Jupiter	10332215.10	23576-07-17 14:24 G	10332215.24	23576-07-17 17:45 G
Mercury	10332214.93	23576-07-17 10:19 G	10332215.24	23576-07-17 17:45 G
Earth	10332215.10	23576-07-17 14:24 G	10332215.57	23576-07-18 01:40 G
Jupiter	10520501.87	24092-01-20 08:52 G	10520502.01	24092-01-20 12:14 G
Mercury	10520501.73	24092-01-20 05:31 G	10520502.01	24092-01-20 12:14 G
Earth	10520501.87	24092-01-20 08:52 G	10520502.33	24092-01-20 19:55 G
Saturn	11109799.26	25705-06-30 18:14 G	11109799.28	25705-06-30 18:43 G
Earth	11109798.92	25705-06-30 10:04 G	11109799.28	25705-06-30 18:43 G
Venus	11109799.26	25705-06-30 18:14 G	11109799.29	25705-06-30 18:57 G
Jupiter	11325847.66	26297-01-06 03:50 G	11325847.74	26297-01-06 05:45 G

Earth	11325847.48	26297-01-05 23:31 G	11325847.74	26297-01-06 05:45 G
Venus	11325847.66	26297-01-06 03:50 G	11325847.94	26297-01-06 10:33 G
Jupiter	11425968.69	26571-02-20 04:33 G	11425968.70	26571-02-20 04:48 G
Moon	11425968.27	26571-02-19 18:29 G	11425968.70	26571-02-20 04:48 G
Mercury	11425968.69	26571-02-20 04:33 G	11425968.96	26571-02-20 11:02 G
Jupiter	12229707.23	28771-09-13 17:31 G	12229707.27	28771-09-13 18:29 G
Earth	12229706.98	28771-09-13 11:31 G	12229707.27	28771-09-13 18:29 G
Mercury	12229707.23	28771-09-13 17:31 G	12229707.48	28771-09-13 23:31 G
Jupiter	12229707.23	28771-09-13 17:31 G	12229707.27	28771-09-13 18:29 G
Earth	12229706.98	28771-09-13 11:31 G	12229707.27	28771-09-13 18:29 G
Moon	12229707.13	28771-09-13 15:07 G	12229707.45	28771-09-13 22:48 G
Mercury	12229707.23	28771-09-13 17:31 G	12229707.48	28771-09-13 23:31 G
Jupiter	12229707.23	28771-09-13 17:31 G	12229707.45	28771-09-13 22:48 G
Moon	12229707.13	28771-09-13 15:07 G	12229707.45	28771-09-13 22:48 G
Mercury	12229707.23	28771-09-13 17:31 G	12229707.48	28771-09-13 23:31 G
Jupiter	14382092.57	34664-09-24 01:41 G	14382092.66	34664-09-24 03:50 G
Earth	14382092.20	34664-09-23 16:48 G	14382092.66	34664-09-24 03:50 G
Venus	14382092.57	34664-09-24 01:41 G	14382092.70	34664-09-24 04:48 G
Jupiter	15166298.31	36811-10-24 19:26 G	15166298.39	36811-10-24 21:21 G
Moon	15166298.12	36811-10-24 14:53 G	15166298.39	36811-10-24 21:21 G
Venus	15166298.31	36811-10-24 19:26 G	15166298.64	36811-10-25 03:21 G
Jupiter	15530081.35	37807-10-26 20:24 G	15530081.52	37807-10-27 00:29 G
Earth	15530081.17	37807-10-26 16:05 G	15530081.52	37807-10-27 00:29 G
Venus	15530081.35	37807-10-26 20:24 G	15530081.66	37807-10-27 03:50 G
Jupiter	15530081.35	37807-10-26 20:24 G	15530081.52	37807-10-27 00:29 G
Earth	15530081.17	37807-10-26 16:05 G	15530081.52	37807-10-27 00:29 G
Moon	15530081.29	37807-10-26 18:57 G	15530081.62	37807-10-27 02:53 G
Venus	15530081.35	37807-10-26 20:24 G	15530081.66	37807-10-27 03:50 G
Jupiter	15530081.35	37807-10-26 20:24 G	15530081.62	37807-10-27 02:53 G
Moon	15530081.29	37807-10-26 18:57 G	15530081.62	37807-10-27 02:53 G

Venus	15530081.35	37807-10-26 20:24 G	15530081.66	37807-10-27 03:50 G
Uranus	15979700.53	39038-11-01 00:43 G	15979700.65	39038-11-01 03:36 G
Moon	15979700.27	39038-10-31 18:29 G	15979700.65	39038-11-01 03:36 G
Venus	15979700.53	39038-11-01 00:43 G	15979700.87	39038-11-01 08:53 G
Uranus	15979700.53	39038-11-01 00:43 G	15979700.65	39038-11-01 03:36 G
Moon	15979700.27	39038-10-31 18:29 G	15979700.65	39038-11-01 03:36 G
Earth	15979700.33	39038-10-31 19:55 G	15979700.74	39038-11-01 05:46 G
Venus	15979700.53	39038-11-01 00:43 G	15979700.87	39038-11-01 08:53 G
Uranus	15979700.53	39038-11-01 00:43 G	15979700.74	39038-11-01 05:46 G
Earth	15979700.33	39038-10-31 19:55 G	15979700.74	39038-11-01 05:46 G
Venus	15979700.53	39038-11-01 00:43 G	15979700.87	39038-11-01 08:53 G
Jupiter	17261759.96	42548-12-28 11:02 G	17261760.09	42548-12-28 14:10 G
Mars	17261759.83	42548-12-28 07:55 G	17261760.26	42548-12-28 18:14 G
Mercury	17261759.96	42548-12-28 11:02 G	17261760.09	42548-12-28 14:10 G
Saturn	21922847.14	55310-08-13 15:22 G	21922847.36	55310-08-13 20:38 G
Moon	21922846.91	55310-08-13 09:50 G	21922847.41	55310-08-13 21:50 G
Mercury	21922847.14	55310-08-13 15:22 G	21922847.36	55310-08-13 20:38 G
Saturn	21922847.14	55310-08-13 15:22 G	21922847.36	55310-08-13 20:38 G
Moon	21922846.91	55310-08-13 09:50 G	21922847.41	55310-08-13 21:50 G
Earth	21922847.00	55310-08-13 12:00 G	21922847.48	55310-08-13 23:31 G
Mercury	21922847.14	55310-08-13 15:22 G	21922847.36	55310-08-13 20:38 G
Saturn	21922847.14	55310-08-13 15:22 G	21922847.36	55310-08-13 20:38 G
Earth	21922847.00	55310-08-13 12:00 G	21922847.48	55310-08-13 23:31 G
Mercury	21922847.14	55310-08-13 15:22 G	21922847.36	55310-08-13 20:38 G
Uranus	23243756.93	58927-02-22 10:19 G	23243757.06	58927-02-22 13:26 G
Venus	23243756.87	58927-02-22 08:53 G	23243757.19	58927-02-22 16:34 G
Mercury	23243756.93	58927-02-22 10:19 G	23243757.06	58927-02-22 13:26 G
Uranus	23534180.29	59722-04-18 18:58 G	23534180.47	59722-04-18 23:17 G
Mercury	23534180.17	59722-04-18 16:05 G	23534180.47	59722-04-18 23:17 G
Venus	23534180.29	59722-04-18 18:58 G	23534180.58	59722-04-19 01:55 G

Saturn	23713860.26	60214-03-30 18:14 G	23713860.35	60214-03-30 20:24 G
Earth	23713860.00	60214-03-30 12:00 G	23713860.38	60214-03-30 21:07 G
Mercury	23713860.26	60214-03-30 18:14 G	23713860.35	60214-03-30 20:24 G
Saturn	23713860.26	60214-03-30 18:14 G	23713860.35	60214-03-30 20:24 G
Earth	23713860.00	60214-03-30 12:00 G	23713860.38	60214-03-30 21:07 G
Moon	23713860.16	60214-03-30 15:50 G	23713860.53	60214-03-31 00:43 G
Mercury	23713860.26	60214-03-30 18:14 G	23713860.35	60214-03-30 20:24 G
Saturn	23713860.26	60214-03-30 18:14 G	23713860.35	60214-03-30 20:24 G
Moon	23713860.16	60214-03-30 15:50 G	23713860.53	60214-03-31 00:43 G
Mercury	23713860.26	60214-03-30 18:14 G	23713860.35	60214-03-30 20:24 G
Uranus	23918304.12	60773-12-28 14:53 G	23918304.38	60773-12-28 21:07 G
Venus	23918304.09	60773-12-28 14:10 G	23918304.45	60773-12-28 22:48 G
Mercury	23918304.12	60773-12-28 14:53 G	23918304.38	60773-12-28 21:07 G
Uranus	24255577.61	61697-05-31 02:38 G	24255577.69	61697-05-31 04:34 G
Venus	24255577.33	61697-05-30 19:55 G	24255577.69	61697-05-31 04:34 G
Mercury	24255577.61	61697-05-31 02:38 G	24255577.89	61697-05-31 09:22 G
Uranus	24592851.33	62620-11-02 19:55 G	24592851.58	62620-11-03 01:55 G
Mercury	24592851.31	62620-11-02 19:26 G	24592851.58	62620-11-03 01:55 G
Venus	24592851.33	62620-11-02 19:55 G	24592851.72	62620-11-03 05:17 G
Uranus	24976082.03	63670-02-01 12:43 G	24976082.13	63670-02-01 15:07 G
Venus	24976081.97	63670-02-01 11:17 G	24976082.36	63670-02-01 20:39 G
Mercury	24976082.03	63670-02-01 12:43 G	24976082.13	63670-02-01 15:07 G
Jupiter	25066600.75	63917-12-03 06:00 G	25066600.83	63917-12-03 07:55 G
Earth	25066600.38	63917-12-02 21:07 G	25066600.83	63917-12-03 07:55 G
Mercury	25066600.75	63917-12-03 06:00 G	25066600.90	63917-12-03 09:36 G
Jupiter	25066600.75	63917-12-03 06:00 G	25066600.83	63917-12-03 07:55 G
Earth	25066600.38	63917-12-02 21:07 G	25066600.83	63917-12-03 07:55 G
Moon	25066600.51	63917-12-03 00:15 G	25066600.95	63917-12-03 10:48 G
Mercury	25066600.75	63917-12-03 06:00 G	25066600.90	63917-12-03 09:36 G
Jupiter	25066600.75	63917-12-03 06:00 G	25066600.90	63917-12-03 09:36 G

Moon	25066600.51	63917-12-03 00:15 G	25066600.95	63917-12-03 10:48 G
Mercury	25066600.75	63917-12-03 06:00 G	25066600.90	63917-12-03 09:36 G
Neptune	25350090.18	64694-02-01 16:19 G	25350090.32	64694-02-01 19:41 G
Mercury	25350090.03	64694-02-01 12:43 G	25350090.32	64694-02-01 19:41 G
Venus	25350090.18	64694-02-01 16:19 G	25350090.59	64694-02-02 02:10 G
Neptune	25410084.89	64858-05-07 09:22 G	25410085.05	64858-05-07 13:12 G
Venus	25410084.64	64858-05-07 03:22 G	25410085.05	64858-05-07 13:12 G
Mercury	25410084.89	64858-05-07 09:22 G	25410085.17	64858-05-07 16:05 G
Neptune	25831624.65	66012-06-26 03:36 G	25831625.06	66012-06-26 13:27 G
Earth	25831624.63	66012-06-26 03:07 G	25831625.06	66012-06-26 13:27 G
Venus	25831624.65	66012-06-26 03:36 G	25831625.08	66012-06-26 13:55 G
Neptune	25831624.65	66012-06-26 03:36 G	25831625.04	66012-06-26 12:58 G
Earth	25831624.63	66012-06-26 03:07 G	25831625.06	66012-06-26 13:27 G
Moon	25831624.64	66012-06-26 03:22 G	25831625.04	66012-06-26 12:58 G
Venus	25831624.65	66012-06-26 03:36 G	25831625.08	66012-06-26 13:55 G
Neptune	25831624.65	66012-06-26 03:36 G	25831625.04	66012-06-26 12:58 G
Moon	25831624.64	66012-06-26 03:22 G	25831625.04	66012-06-26 12:58 G
Venus	25831624.65	66012-06-26 03:36 G	25831625.08	66012-06-26 13:55 G
Neptune	26012058.91	66506-07-01 09:51 G	26012059.14	66506-07-01 15:22 G
Venus	26012058.89	66506-07-01 09:22 G	26012059.30	66506-07-01 19:12 G
Mercury	26012058.91	66506-07-01 09:51 G	26012059.14	66506-07-01 15:22 G
Jupiter	26058627.00	66633-12-30 12:00 G	26058627.21	66633-12-30 17:03 G
Moon	26058626.76	66633-12-30 06:15 G	26058627.21	66633-12-30 17:03 G
Mercury	26058627.00	66633-12-30 12:00 G	26058627.34	66633-12-30 20:10 G
Jupiter	26058627.00	66633-12-30 12:00 G	26058627.21	66633-12-30 17:03 G
Moon	26058626.76	66633-12-30 06:15 G	26058627.21	66633-12-30 17:03 G
Earth	26058626.80	66633-12-30 07:12 G	26058627.28	66633-12-30 18:43 G
Mercury	26058627.00	66633-12-30 12:00 G	26058627.34	66633-12-30 20:10 G
Jupiter	26058627.00	66633-12-30 12:00 G	26058627.28	66633-12-30 18:43 G
Earth	26058626.80	66633-12-30 07:12 G	26058627.28	66633-12-30 18:43 G

Mercury	26058627.00	66633-12-30 12:00 G	26058627.34	66633-12-30 20:10 G
Uranus	26171931.92	66944-03-19 10:05 G	26171932.17	66944-03-19 16:05 G
Venus	26171931.82	66944-03-19 07:41 G	26171932.17	66944-03-19 16:05 G
Mercury	26171931.92	66944-03-19 10:05 G	26171932.26	66944-03-19 18:15 G
Jupiter	26199432.54	67019-07-06 00:58 G	26199432.59	67019-07-06 02:10 G
Earth	26199432.22	67019-07-05 17:17 G	26199432.59	67019-07-06 02:10 G
Mercury	26199432.54	67019-07-06 00:58 G	26199432.79	67019-07-06 06:58 G
Uranus	26356316.43	67449-01-15 22:19 G	26356316.69	67449-01-16 04:34 G
Earth	26356316.29	67449-01-15 18:58 G	26356316.69	67449-01-16 04:34 G
Mercury	26356316.43	67449-01-15 22:19 G	26356316.70	67449-01-16 04:48 G
Uranus	26356316.45	67449-01-15 22:48 G	26356316.69	67449-01-16 04:34 G
Earth	26356316.29	67449-01-15 18:58 G	26356316.69	67449-01-16 04:34 G
Mercury	26356316.43	67449-01-15 22:19 G	26356316.70	67449-01-16 04:48 G
Moon	26356316.45	67449-01-15 22:48 G	26356316.83	67449-01-16 07:55 G
Uranus	26356316.45	67449-01-15 22:48 G	26356316.70	67449-01-16 04:48 G
Mercury	26356316.43	67449-01-15 22:19 G	26356316.70	67449-01-16 04:48 G
Moon	26356316.45	67449-01-15 22:48 G	26356316.83	67449-01-16 07:55 G
Jupiter	26370565.97	67488-01-21 11:17 G	26370566.16	67488-01-21 15:51 G
Mercury	26370565.85	67488-01-21 08:24 G	26370566.16	67488-01-21 15:51 G
Venus	26370565.97	67488-01-21 11:17 G	26370566.31	67488-01-21 19:27 G
Neptune	26402698.54	67576-01-13 00:58 G	26402698.92	67576-01-13 10:05 G
Venus	26402698.54	67576-01-13 00:58 G	26402698.92	67576-01-13 10:05 G
Moon	26402698.54	67576-01-13 00:58 G	26402698.97	67576-01-13 11:17 G
Neptune	26402698.62	67576-01-13 02:53 G	26402698.92	67576-01-13 10:05 G
Venus	26402698.54	67576-01-13 00:58 G	26402698.92	67576-01-13 10:05 G
Earth	26402698.62	67576-01-13 02:53 G	26402699.01	67576-01-13 12:15 G
Neptune	26402698.62	67576-01-13 02:53 G	26402698.92	67576-01-13 10:05 G
Venus	26402698.54	67576-01-13 00:58 G	26402698.92	67576-01-13 10:05 G
Moon	26402698.54	67576-01-13 00:58 G	26402698.97	67576-01-13 11:17 G
Earth	26402698.62	67576-01-13 02:53 G	26402699.01	67576-01-13 12:15 G

Neptune	26732701.20	68479-07-19 16:48 G	26732701.37	68479-07-19 20:53 G
Moon	26732701.06	68479-07-19 13:27 G	26732701.37	68479-07-19 20:53 G
Mercury	26732701.20	68479-07-19 16:48 G	26732701.45	68479-07-19 22:48 G
Neptune	26732701.20	68479-07-19 16:48 G	26732701.37	68479-07-19 20:53 G
Moon	26732701.06	68479-07-19 13:27 G	26732701.37	68479-07-19 20:53 G
Earth	26732701.17	68479-07-19 16:05 G	26732701.51	68479-07-20 00:15 G
Mercury	26732701.20	68479-07-19 16:48 G	26732701.45	68479-07-19 22:48 G
Neptune	26732701.20	68479-07-19 16:48 G	26732701.45	68479-07-19 22:48 G
Earth	26732701.17	68479-07-19 16:05 G	26732701.51	68479-07-20 00:15 G
Mercury	26732701.20	68479-07-19 16:48 G	26732701.45	68479-07-19 22:48 G
Pluto	26810859.95	68693-07-16 10:48 G	26810859.95	68693-07-16 10:48 G
Moon	26810859.51	68693-07-16 00:15 G	26810859.95	68693-07-16 10:48 G
Venus	26810859.95	68693-07-16 10:48 G	26810860.02	68693-07-16 12:29 G
Pluto	26810859.95	68693-07-16 10:48 G	26810859.95	68693-07-16 10:48 G
Moon	26810859.51	68693-07-16 00:15 G	26810859.95	68693-07-16 10:48 G
Earth	26810859.56	68693-07-16 01:27 G	26810860.02	68693-07-16 12:29 G
Venus	26810859.95	68693-07-16 10:48 G	26810860.02	68693-07-16 12:29 G
Pluto	26810859.95	68693-07-16 10:48 G	26810860.02	68693-07-16 12:29 G
Earth	26810859.56	68693-07-16 01:27 G	26810860.02	68693-07-16 12:29 G
Venus	26810859.95	68693-07-16 10:48 G	26810860.02	68693-07-16 12:29 G
Uranus	26846478.96	68791-01-23 11:03 G	26846479.11	68791-01-23 14:39 G
Moon	26846478.74	68791-01-23 05:46 G	26846479.11	68791-01-23 14:39 G
Venus	26846478.96	68791-01-23 11:03 G	26846479.29	68791-01-23 18:58 G
Uranus	26846478.96	68791-01-23 11:03 G	26846479.11	68791-01-23 14:39 G
Moon	26846478.74	68791-01-23 05:46 G	26846479.11	68791-01-23 14:39 G
Earth	26846478.89	68791-01-23 09:22 G	26846479.25	68791-01-23 18:00 G
Venus	26846478.96	68791-01-23 11:03 G	26846479.29	68791-01-23 18:58 G
Uranus	26846478.96	68791-01-23 11:03 G	26846479.25	68791-01-23 18:00 G
Earth	26846478.89	68791-01-23 09:22 G	26846479.25	68791-01-23 18:00 G
Venus	26846478.96	68791-01-23 11:03 G	26846479.29	68791-01-23 18:58 G

Earth	26982533.31	69163-07-26 19:27 G	26982533.32	69163-07-26 19:41 G
Venus	26982533.06	69163-07-26 13:27 G	26982533.32	69163-07-26 19:41 G
Mercury	26982533.31	69163-07-26 19:27 G	26982533.39	69163-07-26 21:22 G
Moon	26982533.31	69163-07-26 19:27 G	26982533.38	69163-07-26 21:07 G
Venus	26982533.12	69163-07-26 14:53 G	26982533.38	69163-07-26 21:07 G
Mercury	26982533.31	69163-07-26 19:27 G	26982533.41	69163-07-26 21:51 G
Jupiter	27100499.51	69486-07-19 00:15 G	27100499.69	69486-07-19 04:34 G
Venus	27100499.46	69486-07-18 23:03 G	27100499.84	69486-07-19 08:10 G
Mercury	27100499.51	69486-07-19 00:15 G	27100499.69	69486-07-19 04:34 G
Jupiter	27143869.15	69605-04-15 15:36 G	27143869.41	69605-04-15 21:51 G
Mercury	27143869.12	69605-04-15 14:53 G	27143869.41	69605-04-15 21:51 G
Venus	27143869.15	69605-04-15 15:36 G	27143869.55	69605-04-16 01:12 G
Jupiter	27187238.88	69724-01-12 09:07 G	27187239.00	69724-01-12 12:00 G
Mercury	27187238.84	69724-01-12 08:10 G	27187239.00	69724-01-12 12:00 G
Venus	27187238.88	69724-01-12 09:07 G	27187239.27	69724-01-12 18:29 G
Neptune	27665383.71	71033-02-23 05:03 G	27665383.72	71033-02-23 05:17 G
Moon	27665383.27	71033-02-22 18:29 G	27665383.72	71033-02-23 05:17 G
Mercury	27665383.71	71033-02-23 05:03 G	27665384.04	71033-02-23 12:58 G
Uranus	27813491.11	71438-08-26 14:39 G	27813491.13	71438-08-26 15:07 G
Mercury	27813490.83	71438-08-26 07:55 G	27813491.13	71438-08-26 15:07 G
Moon	27813491.11	71438-08-26 14:39 G	27813491.54	71438-08-27 00:58 G
Uranus	27828655.21	71480-03-02 17:03 G	27828655.35	71480-03-02 20:24 G
Earth	27828655.15	71480-03-02 15:36 G	27828655.35	71480-03-02 20:24 G
Mercury	27828655.21	71480-03-02 17:03 G	27828655.47	71480-03-02 23:17 G
Uranus	27828655.24	71480-03-02 17:46 G	27828655.35	71480-03-02 20:24 G
Earth	27828655.15	71480-03-02 15:36 G	27828655.35	71480-03-02 20:24 G
Mercury	27828655.21	71480-03-02 17:03 G	27828655.47	71480-03-02 23:17 G
Moon	27828655.24	71480-03-02 17:46 G	27828655.45	71480-03-02 22:48 G
Uranus	27828655.24	71480-03-02 17:46 G	27828655.45	71480-03-02 22:48 G
Mercury	27828655.21	71480-03-02 17:03 G	27828655.47	71480-03-02 23:17 G

Moon	27828655.24	71480-03-02 17:46 G	27828655.45	71480-03-02 22:48 G
Neptune	28085787.45	72184-03-03 22:48 G	28085787.71	72184-03-04 05:03 G
Moon	28085787.28	72184-03-03 18:43 G	28085787.77	72184-03-04 06:29 G
Mercury	28085787.45	72184-03-03 22:48 G	28085787.71	72184-03-04 05:03 G
Neptune	28085787.45	72184-03-03 22:48 G	28085787.71	72184-03-04 05:03 G
Moon	28085787.28	72184-03-03 18:43 G	28085787.77	72184-03-04 06:29 G
Earth	28085787.42	72184-03-03 22:05 G	28085787.90	72184-03-04 09:36 G
Mercury	28085787.45	72184-03-03 22:48 G	28085787.71	72184-03-04 05:03 G
Neptune	28085787.45	72184-03-03 22:48 G	28085787.71	72184-03-04 05:03 G
Earth	28085787.42	72184-03-03 22:05 G	28085787.90	72184-03-04 09:36 G
Mercury	28085787.45	72184-03-03 22:48 G	28085787.71	72184-03-04 05:03 G
Jupiter	28445669.15	73169-06-30 15:36 G	28445669.23	73169-06-30 17:31 G
Mercury	28445668.93	73169-06-30 10:19 G	28445669.23	73169-06-30 17:31 G
Venus	28445669.15	73169-06-30 15:36 G	28445669.42	73169-06-30 22:05 G
Neptune	28476425.99	73253-09-14 11:46 G	28476426.23	73253-09-14 17:31 G
Mercury	28476425.95	73253-09-14 10:48 G	28476426.23	73253-09-14 17:31 G
Moon	28476425.99	73253-09-14 11:46 G	28476426.34	73253-09-14 20:10 G
Neptune	28476426.01	73253-09-14 12:15 G	28476426.23	73253-09-14 17:31 G
Mercury	28476425.95	73253-09-14 10:48 G	28476426.23	73253-09-14 17:31 G
Earth	28476426.01	73253-09-14 12:15 G	28476426.36	73253-09-14 20:39 G
Neptune	28476426.01	73253-09-14 12:15 G	28476426.23	73253-09-14 17:31 G
Mercury	28476425.95	73253-09-14 10:48 G	28476426.23	73253-09-14 17:31 G
Moon	28476425.99	73253-09-14 11:46 G	28476426.34	73253-09-14 20:10 G
Earth	28476426.01	73253-09-14 12:15 G	28476426.36	73253-09-14 20:39 G
Jupiter	28489038.52	73288-03-27 00:29 G	28489038.58	73288-03-27 01:55 G
Venus	28489038.42	73288-03-26 22:05 G	28489038.58	73288-03-27 01:55 G
Mercury	28489038.52	73288-03-27 00:29 G	28489038.77	73288-03-27 06:29 G
Uranus	28624521.24	73659-03-05 17:46 G	28624521.66	73659-03-06 03:51 G
Moon	28624521.21	73659-03-05 17:03 G	28624521.71	73659-03-06 05:03 G
Venus	28624521.24	73659-03-05 17:46 G	28624521.66	73659-03-06 03:51 G

Uranus	28624521.27	73659-03-05 18:29 G	28624521.66	73659-03-06 03:51 G
Moon	28624521.21	73659-03-05 17:03 G	28624521.71	73659-03-06 05:03 G
Venus	28624521.24	73659-03-05 17:46 G	28624521.66	73659-03-06 03:51 G
Earth	28624521.27	73659-03-05 18:29 G	28624521.76	73659-03-06 06:15 G
Uranus	28624521.27	73659-03-05 18:29 G	28624521.66	73659-03-06 03:51 G
Venus	28624521.24	73659-03-05 17:46 G	28624521.66	73659-03-06 03:51 G
Earth	28624521.27	73659-03-05 18:29 G	28624521.76	73659-03-06 06:15 G
Uranus	28716196.00	73910-03-05 12:00 G	28716196.01	73910-03-05 12:15 G
Moon	28716195.50	73910-03-05 00:00 G	28716196.01	73910-03-05 12:15 G
Venus	28716196.00	73910-03-05 12:00 G	28716196.44	73910-03-05 22:34 G
Saturn	30216750.66	78018-07-21 03:51 G	30216750.86	78018-07-21 08:39 G
Venus	30216750.44	78018-07-20 22:34 G	30216750.86	78018-07-21 08:39 G
Mercury	30216750.66	78018-07-21 03:51 G	30216750.93	78018-07-21 10:20 G
Neptune	30271210.60	78167-08-29 02:24 G	30271210.75	78167-08-29 06:00 G
Jupiter	30271210.28	78167-08-28 18:44 G	30271210.75	78167-08-29 06:00 G
Venus	30271210.60	78167-08-29 02:24 G	30271211.04	78167-08-29 12:58 G
Saturn	30394151.48	78504-04-04 23:32 G	30394151.82	78504-04-05 07:41 G
Venus	30394151.44	78504-04-04 22:34 G	30394151.85	78504-04-05 08:24 G
Mercury	30394151.48	78504-04-04 23:32 G	30394151.82	78504-04-05 07:41 G
Saturn	30916018.34	79933-01-30 20:10 G	30916018.36	79933-01-30 20:39 G
Mercury	30916018.08	79933-01-30 13:56 G	30916018.36	79933-01-30 20:39 G
Venus	30916018.34	79933-01-30 20:10 G	30916018.56	79933-01-31 01:27 G
Pluto	31162335.38	80607-06-23 21:08 G	31162335.48	80607-06-23 23:32 G
Mercury	31162335.18	80607-06-23 16:20 G	31162335.48	80607-06-23 23:32 G
Earth	31162335.38	80607-06-23 21:08 G	31162335.91	80607-06-24 09:51 G
Pluto	31162335.41	80607-06-23 21:51 G	31162335.48	80607-06-23 23:32 G
Mercury	31162335.18	80607-06-23 16:20 G	31162335.48	80607-06-23 23:32 G
Moon	31162335.41	80607-06-23 21:51 G	31162335.92	80607-06-24 10:05 G
Pluto	31162335.41	80607-06-23 21:51 G	31162335.48	80607-06-23 23:32 G
Mercury	31162335.18	80607-06-23 16:20 G	31162335.48	80607-06-23 23:32 G

Earth	31162335.38	80607-06-23 21:08 G	31162335.91	80607-06-24 09:51 G
Moon	31162335.41	80607-06-23 21:51 G	31162335.92	80607-06-24 10:05 G
Pluto	33429478.87	86814-09-14 08:53 G	33429478.95	86814-09-14 10:48 G
Earth	33429478.65	86814-09-14 03:36 G	33429479.00	86814-09-14 12:00 G
Mercury	33429478.87	86814-09-14 08:53 G	33429478.95	86814-09-14 10:48 G
Pluto	33429478.87	86814-09-14 08:53 G	33429478.95	86814-09-14 10:48 G
Earth	33429478.65	86814-09-14 03:36 G	33429479.00	86814-09-14 12:00 G
Moon	33429478.79	86814-09-14 06:58 G	33429479.16	86814-09-14 15:51 G
Mercury	33429478.87	86814-09-14 08:53 G	33429478.95	86814-09-14 10:48 G
Pluto	33429478.87	86814-09-14 08:53 G	33429478.95	86814-09-14 10:48 G
Moon	33429478.79	86814-09-14 06:58 G	33429479.16	86814-09-14 15:51 G
Mercury	33429478.87	86814-09-14 08:53 G	33429478.95	86814-09-14 10:48 G
Mars	33822959.36	87892-01-06 20:39 G	33822959.45	87892-01-06 22:48 G
Venus	33822959.11	87892-01-06 14:39 G	33822959.45	87892-01-06 22:48 G
Mercury	33822959.36	87892-01-06 20:39 G	33822959.58	87892-01-07 01:56 G
Jupiter	34406900.53	89490-10-17 00:43 G	34406900.55	89490-10-17 01:12 G
Mercury	34406900.29	89490-10-16 18:58 G	34406900.55	89490-10-17 01:12 G
Mars	34406900.53	89490-10-17 00:43 G	34406901.11	89490-10-17 14:39 G
Uranus	34530900.78	89830-04-18 06:43 G	34530900.79	89830-04-18 06:58 G
Mars	34530900.23	89830-04-17 17:31 G	34530900.79	89830-04-18 06:58 G
Mercury	34530900.78	89830-04-18 06:43 G	34530901.03	89830-04-18 12:43 G
Saturn	34840363.20	90677-07-28 16:48 G	34840363.40	90677-07-28 21:36 G
Venus	34840363.13	90677-07-28 15:07 G	34840363.40	90677-07-28 21:36 G
Earth	34840363.20	90677-07-28 16:48 G	34840363.59	90677-07-29 02:10 G
Saturn	34840363.34	90677-07-28 20:10 G	34840363.40	90677-07-28 21:36 G
Venus	34840363.13	90677-07-28 15:07 G	34840363.40	90677-07-28 21:36 G
Moon	34840363.34	90677-07-28 20:10 G	34840363.75	90677-07-29 06:00 G
Saturn	34840363.34	90677-07-28 20:10 G	34840363.40	90677-07-28 21:36 G
Venus	34840363.13	90677-07-28 15:07 G	34840363.40	90677-07-28 21:36 G
Earth	34840363.20	90677-07-28 16:48 G	34840363.59	90677-07-29 02:10 G

Moon	34840363.34	90677-07-28 20:10 G	34840363.75	90677-07-29 06:00 G
Neptune	35467493.55	92394-08-07 01:12 G	35467493.64	92394-08-07 03:22 G
Earth	35467493.36	92394-08-06 20:38 G	35467493.64	92394-08-07 03:22 G
Venus	35467493.55	92394-08-07 01:12 G	35467493.82	92394-08-07 07:41 G
Neptune	36219003.31	94452-02-28 19:26 G	36219003.35	94452-02-28 20:24 G
Earth	36219002.85	94452-02-28 08:24 G	36219003.35	94452-02-28 20:24 G
Venus	36219003.31	94452-02-28 19:26 G	36219003.51	94452-02-29 00:14 G
Neptune	36219003.31	94452-02-28 19:26 G	36219003.35	94452-02-28 20:24 G
Earth	36219002.85	94452-02-28 08:24 G	36219003.35	94452-02-28 20:24 G
Moon	36219002.95	94452-02-28 10:48 G	36219003.43	94452-02-28 22:19 G
Venus	36219003.31	94452-02-28 19:26 G	36219003.51	94452-02-29 00:14 G
Neptune	36219003.31	94452-02-28 19:26 G	36219003.43	94452-02-28 22:19 G
Moon	36219002.95	94452-02-28 10:48 G	36219003.43	94452-02-28 22:19 G
Venus	36219003.31	94452-02-28 19:26 G	36219003.51	94452-02-29 00:14 G
Neptune	37118242.74	96914-03-13 05:45 G	37118243.01	96914-03-13 12:14 G
Moon	37118242.65	96914-03-13 03:36 G	37118243.01	96914-03-13 12:14 G
Venus	37118242.74	96914-03-13 05:45 G	37118243.19	96914-03-13 16:33 G
Neptune	37118242.74	96914-03-13 05:45 G	37118243.01	96914-03-13 12:14 G
Moon	37118242.65	96914-03-13 03:36 G	37118243.01	96914-03-13 12:14 G
Earth	37118242.65	96914-03-13 03:36 G	37118243.02	96914-03-13 12:28 G
Venus	37118242.74	96914-03-13 05:45 G	37118243.19	96914-03-13 16:33 G
Neptune	37118242.74	96914-03-13 05:45 G	37118243.02	96914-03-13 12:28 G
Earth	37118242.65	96914-03-13 03:36 G	37118243.02	96914-03-13 12:28 G
Venus	37118242.74	96914-03-13 05:45 G	37118243.19	96914-03-13 16:33 G
Neptune	37508881.96	97983-09-24 11:02 G	37508881.97	97983-09-24 11:16 G
Moon	37508881.48	97983-09-23 23:31 G	37508881.97	97983-09-24 11:16 G
Venus	37508881.96	97983-09-24 11:02 G	37508882.38	97983-09-24 21:07 G
Neptune	37508881.96	97983-09-24 11:02 G	37508881.97	97983-09-24 11:16 G
Moon	37508881.48	97983-09-23 23:31 G	37508881.97	97983-09-24 11:16 G
Earth	37508881.62	97983-09-24 02:52 G	37508882.12	97983-09-24 14:52 G

Venus	37508881.96	97983-09-24 11:02 G	37508882.38	97983-09-24 21:07 G
Neptune	37508881.96	97983-09-24 11:02 G	37508882.12	97983-09-24 14:52 G
Earth	37508881.62	97983-09-24 02:52 G	37508882.12	97983-09-24 14:52 G
Venus	37508881.96	97983-09-24 11:02 G	37508882.38	97983-09-24 21:07 G
Neptune	38408122.73	100445-10-07 05:31 G	38408122.86	100445-10-07 08:38 G
Venus	38408122.51	100445-10-07 00:14 G	38408122.86	100445-10-07 08:38 G
Moon	38408122.73	100445-10-07 05:31 G	38408123.12	100445-10-07 14:52 G
Neptune	39159630.78	102503-04-30 06:42 G	39159630.95	102503-04-30 10:47 G
Earth	39159630.43	102503-04-29 22:18 G	39159630.95	102503-04-30 10:47 G
Venus	39159630.78	102503-04-30 06:42 G	39159631.21	102503-04-30 17:01 G
Neptune	39159630.78	102503-04-30 06:42 G	39159630.95	102503-04-30 10:47 G
Earth	39159630.43	102503-04-29 22:18 G	39159630.95	102503-04-30 10:47 G
Moon	39159630.56	102503-04-30 01:25 G	39159631.08	102503-04-30 13:54 G
Venus	39159630.78	102503-04-30 06:42 G	39159631.21	102503-04-30 17:01 G
Neptune	39159630.78	102503-04-30 06:42 G	39159631.08	102503-04-30 13:54 G
Moon	39159630.56	102503-04-30 01:25 G	39159631.08	102503-04-30 13:54 G
Venus	39159630.78	102503-04-30 06:42 G	39159631.21	102503-04-30 17:01 G
Uranus	40884534.53	107225-12-14 00:42 G	40884534.76	107225-12-14 06:13 G
Venus	40884534.45	107225-12-13 22:47 G	40884534.85	107225-12-14 08:23 G
Moon	40884534.53	107225-12-14 00:42 G	40884534.76	107225-12-14 06:13 G
Uranus	40884534.60	107225-12-14 02:23 G	40884534.85	107225-12-14 08:23 G
Venus	40884534.45	107225-12-13 22:47 G	40884534.85	107225-12-14 08:23 G
Earth	40884534.60	107225-12-14 02:23 G	40884534.88	107225-12-14 09:06 G
Uranus	40884534.60	107225-12-14 02:23 G	40884534.76	107225-12-14 06:13 G
Venus	40884534.45	107225-12-13 22:47 G	40884534.85	107225-12-14 08:23 G
Moon	40884534.53	107225-12-14 00:42 G	40884534.76	107225-12-14 06:13 G
Earth	40884534.60	107225-12-14 02:23 G	40884534.88	107225-12-14 09:06 G
Uranus	40976209.69	107476-12-13 04:32 G	40976209.75	107476-12-13 05:59 G
Moon	40976209.25	107476-12-12 17:59 G	40976209.75	107476-12-13 05:59 G
Venus	40976209.69	107476-12-13 04:32 G	40976210.07	107476-12-13 13:40 G

Uranus	40976209.69	107476-12-13 04:32 G	40976209.75	107476-12-13 05:59 G
Moon	40976209.25	107476-12-12 17:59 G	40976209.75	107476-12-13 05:59 G
Earth	40976209.33	107476-12-12 19:54 G	40976209.82	107476-12-13 07:40 G
Venus	40976209.69	107476-12-13 04:32 G	40976210.07	107476-12-13 13:40 G
Uranus	40976209.69	107476-12-13 04:32 G	40976209.82	107476-12-13 07:40 G
Earth	40976209.33	107476-12-12 19:54 G	40976209.82	107476-12-13 07:40 G
Venus	40976209.69	107476-12-13 04:32 G	40976210.07	107476-12-13 13:40 G
Neptune	41201019.59	108092-06-16 02:08 G	41201019.66	108092-06-16 03:49 G
Venus	41201019.25	108092-06-15 17:59 G	41201019.66	108092-06-16 03:49 G
Earth	41201019.59	108092-06-16 02:08 G	41201020.10	108092-06-16 14:23 G
Neptune	41201019.59	108092-06-16 02:08 G	41201019.66	108092-06-16 03:49 G
Venus	41201019.25	108092-06-15 17:59 G	41201019.66	108092-06-16 03:49 G
Moon	41201019.59	108092-06-16 02:08 G	41201020.11	108092-06-16 14:37 G
Neptune	41201019.59	108092-06-16 02:08 G	41201019.66	108092-06-16 03:49 G
Venus	41201019.25	108092-06-15 17:59 G	41201019.66	108092-06-16 03:49 G
Earth	41201019.59	108092-06-16 02:08 G	41201020.10	108092-06-16 14:23 G
Moon	41201019.59	108092-06-16 02:08 G	41201020.11	108092-06-16 14:37 G
Neptune	41772095.66	109656-01-05 03:49 G	41772096.07	109656-01-05 13:39 G
Venus	41772095.64	109656-01-05 03:20 G	41772096.07	109656-01-05 13:39 G
Moon	41772095.66	109656-01-05 03:49 G	41772096.07	109656-01-05 13:39 G
Neptune	41772095.74	109656-01-05 05:44 G	41772096.07	109656-01-05 13:39 G
Venus	41772095.64	109656-01-05 03:20 G	41772096.07	109656-01-05 13:39 G
Earth	41772095.74	109656-01-05 05:44 G	41772096.15	109656-01-05 15:34 G
Neptune	41772095.74	109656-01-05 05:44 G	41772096.07	109656-01-05 13:39 G
Venus	41772095.64	109656-01-05 03:20 G	41772096.07	109656-01-05 13:39 G
Moon	41772095.66	109656-01-05 03:49 G	41772096.07	109656-01-05 13:39 G
Earth	41772095.74	109656-01-05 05:44 G	41772096.15	109656-01-05 15:34 G
Uranus	42353375.09	111247-07-02 14:08 G	42353375.13	111247-07-02 15:06 G
Venus	42353374.92	111247-07-02 10:03 G	42353375.13	111247-07-02 15:06 G
Mercury	42353375.09	111247-07-02 14:08 G	42353375.41	111247-07-02 21:49 G

Neptune	42671335.60	112118-01-18 02:22 G	42671335.74	112118-01-18 05:44 G
Venus	42671335.49	112118-01-17 23:44 G	42671335.74	112118-01-18 05:44 G
Earth	42671335.60	112118-01-18 02:22 G	42671336.06	112118-01-18 13:25 G
Jupiter	42874680.95	112674-10-15 10:46 G	42874681.01	112674-10-15 12:13 G
Mercury	42874680.92	112674-10-15 10:03 G	42874681.01	112674-10-15 12:13 G
Venus	42874680.95	112674-10-15 10:46 G	42874681.28	112674-10-15 18:41 G
Uranus	42890741.17	112718-10-05 16:03 G	42890741.34	112718-10-05 20:08 G
Mercury	42890741.08	112718-10-05 13:53 G	42890741.34	112718-10-05 20:08 G
Venus	42890741.17	112718-10-05 16:03 G	42890741.54	112718-10-06 00:56 G
Uranus	43228014.67	113642-03-08 04:03 G	43228014.92	113642-03-08 10:03 G
Mercury	43228014.64	113642-03-08 03:20 G	43228014.92	113642-03-08 10:03 G
Venus	43228014.67	113642-03-08 04:03 G	43228015.08	113642-03-08 13:53 G
Uranus	43549225.23	114521-08-17 17:29 G	43549225.41	114521-08-17 21:48 G
Mercury	43549225.13	114521-08-17 15:05 G	43549225.41	114521-08-17 21:48 G
Venus	43549225.23	114521-08-17 17:29 G	43549225.66	114521-08-18 03:48 G
Saturn	43551249.73	114527-03-04 05:29 G	43551249.78	114527-03-04 06:41 G
Mercury	43551249.43	114527-03-03 22:17 G	43551249.78	114527-03-04 06:41 G
Venus	43551249.73	114527-03-04 05:29 G	43551250.13	114527-03-04 15:05 G
Saturn	43712584.81	114968-11-21 07:24 G	43712584.92	114968-11-21 10:03 G
Venus	43712584.50	114968-11-20 23:58 G	43712584.92	114968-11-21 10:03 G
Mercury	43712584.81	114968-11-21 07:24 G	43712585.17	114968-11-21 16:03 G
Uranus	43795277.02	115195-04-18 12:27 G	43795277.03	115195-04-18 12:41 G
Venus	43795276.62	115195-04-18 02:51 G	43795277.03	115195-04-18 12:41 G
Mercury	43795277.02	115195-04-18 12:27 G	43795277.27	115195-04-18 18:27 G
Neptune	43813484.40	115245-02-21 21:34 G	43813484.41	115245-02-21 21:48 G
Moon	43813483.90	115245-02-21 09:34 G	43813484.41	115245-02-21 21:48 G
Venus	43813484.40	115245-02-21 21:34 G	43813484.84	115245-02-22 08:08 G
Uranus	44132549.93	116118-09-19 10:17 G	44132550.09	116118-09-19 14:08 G
Mercury	44132549.74	116118-09-19 05:44 G	44132550.09	116118-09-19 14:08 G
Venus	44132549.93	116118-09-19 10:17 G	44132550.31	116118-09-19 19:24 G

Neptune 44142015.70 116144-08-19 04:46 G 44142015.91 116144-08-19 09:48 G
 Mercury 44142015.63 116144-08-19 03:05 G 44142015.91 116144-08-19 09:48 G
 Earth 44142015.70 116144-08-19 04:46 G 44142016.06 116144-08-19 13:24 G
 Neptune 44142015.81 116144-08-19 07:24 G 44142015.91 116144-08-19 09:48 G
 Mercury 44142015.63 116144-08-19 03:05 G 44142015.91 116144-08-19 09:48 G
 Moon 44142015.81 116144-08-19 07:24 G 44142016.19 116144-08-19 16:32 G
 Neptune 44142015.81 116144-08-19 07:24 G 44142015.91 116144-08-19 09:48 G
 Mercury 44142015.63 116144-08-19 03:05 G 44142015.91 116144-08-19 09:48 G
 Earth 44142015.70 116144-08-19 04:46 G 44142016.06 116144-08-19 13:24 G
 Moon 44142015.81 116144-08-19 07:24 G 44142016.19 116144-08-19 16:32 G
 Neptune 44384557.17 116808-09-08 16:03 G 44384557.33 116808-09-08 19:53 G
 Venus 44384557.03 116808-09-08 12:41 G 44384557.44 116808-09-08 22:32 G
 Earth 44384557.17 116808-09-08 16:03 G 44384557.33 116808-09-08 19:53 G
 Saturn 44643174.68 117516-10-05 04:17 G 44643174.72 117516-10-05 05:15 G
 Venus 44643174.38 117516-10-04 21:05 G 44643174.72 117516-10-05 05:15 G
 Mercury 44643174.68 117516-10-05 04:17 G 44643174.92 117516-10-05 10:03 G
 Neptune 44712724.46 117707-03-07 23:00 G 44712724.56 117707-03-08 01:24 G
 Venus 44712724.26 117707-03-07 18:12 G 44712724.56 117707-03-08 01:24 G
 Moon 44712724.46 117707-03-07 23:00 G 44712724.74 117707-03-08 05:44 G
 Neptune 44712724.50 117707-03-07 23:58 G 44712724.56 117707-03-08 01:24 G
 Venus 44712724.26 117707-03-07 18:12 G 44712724.56 117707-03-08 01:24 G
 Earth 44712724.50 117707-03-07 23:58 G 44712724.77 117707-03-08 06:27 G
 Neptune 44712724.50 117707-03-07 23:58 G 44712724.56 117707-03-08 01:24 G
 Venus 44712724.26 117707-03-07 18:12 G 44712724.56 117707-03-08 01:24 G
 Moon 44712724.46 117707-03-07 23:00 G 44712724.74 117707-03-08 05:44 G
 Earth 44712724.50 117707-03-07 23:58 G 44712724.77 117707-03-08 06:27 G
 Neptune 44774462.60 117876-03-19 02:22 G 44774462.68 117876-03-19 04:17 G
 Earth 44774462.20 117876-03-18 16:46 G 44774462.68 117876-03-19 04:17 G
 Mercury 44774462.60 117876-03-19 02:22 G 44774462.82 117876-03-19 07:39 G
 Neptune 44774462.60 117876-03-19 02:22 G 44774462.68 117876-03-19 04:17 G

Earth 44774462.20 117876-03-18 16:46 G 44774462.68 117876-03-19 04:17 G
 Moon 44774462.36 117876-03-18 20:36 G 44774462.83 117876-03-19 07:53 G
 Mercury 44774462.60 117876-03-19 02:22 G 44774462.82 117876-03-19 07:39 G
 Neptune 44774462.60 117876-03-19 02:22 G 44774462.82 117876-03-19 07:39 G
 Moon 44774462.36 117876-03-18 20:36 G 44774462.83 117876-03-19 07:53 G
 Mercury 44774462.60 117876-03-19 02:22 G 44774462.82 117876-03-19 07:39 G
 Neptune 44893835.01 118203-01-17 12:12 G 44893835.31 118203-01-17 19:24 G
 Mercury 44893834.97 118203-01-17 11:15 G 44893835.31 118203-01-17 19:24 G
 Venus 44893835.01 118203-01-17 12:12 G 44893835.44 118203-01-17 22:31 G
 Neptune 44953829.65 118367-04-22 03:34 G 44953829.76 118367-04-22 06:12 G
 Venus 44953829.33 118367-04-21 19:53 G 44953829.76 118367-04-22 06:12 G
 Mercury 44953829.65 118367-04-22 03:34 G 44953829.96 118367-04-22 11:00 G
 Jupiter 44993151.82 118474-12-18 07:39 G 44993152.14 118474-12-18 15:19 G
 Mercury 44993151.82 118474-12-18 07:39 G 44993152.14 118474-12-18 15:19 G
 Venus 44993151.82 118474-12-18 07:39 G 44993152.23 118474-12-18 17:29 G
 Jupiter 45125158.62 118836-05-21 02:51 G 45125158.82 118836-05-21 07:39 G
 Venus 45125158.42 118836-05-20 22:03 G 45125158.82 118836-05-21 07:39 G
 Mercury 45125158.62 118836-05-21 02:51 G 45125158.84 118836-05-21 08:07 G
 Neptune 45165098.42 118945-09-26 22:03 G 45165098.56 118945-09-27 01:24 G
 Mercury 45165098.35 118945-09-26 20:22 G 45165098.56 118945-09-27 01:24 G
 Earth 45165098.42 118945-09-26 22:03 G 45165098.76 118945-09-27 06:12 G
 Neptune 45165098.51 118945-09-27 00:12 G 45165098.56 118945-09-27 01:24 G
 Mercury 45165098.35 118945-09-26 20:22 G 45165098.56 118945-09-27 01:24 G
 Moon 45165098.51 118945-09-27 00:12 G 45165098.86 118945-09-27 08:36 G
 Neptune 45165098.51 118945-09-27 00:12 G 45165098.56 118945-09-27 01:24 G
 Mercury 45165098.35 118945-09-26 20:22 G 45165098.56 118945-09-27 01:24 G
 Earth 45165098.42 118945-09-26 22:03 G 45165098.76 118945-09-27 06:12 G
 Moon 45165098.51 118945-09-27 00:12 G 45165098.86 118945-09-27 08:36 G
 Jupiter 45168528.22 118955-02-16 17:15 G 45168528.49 118955-02-16 23:43 G
 Mercury 45168528.22 118955-02-16 17:15 G 45168528.49 118955-02-16 23:43 G

Venus	45168528.22	118955-02-16 17:15 G	45168528.57	118955-02-17 01:39 G
Jupiter	45211898.01	119073-11-14 12:12 G	45211898.02	119073-11-14 12:27 G
Mercury	45211897.87	119073-11-14 08:51 G	45211898.02	119073-11-14 12:27 G
Venus	45211898.01	119073-11-14 12:12 G	45211898.16	119073-11-14 15:48 G
Neptune	45283796.54	119270-09-21 00:55 G	45283796.96	119270-09-21 11:00 G
Venus	45283796.53	119270-09-21 00:41 G	45283796.96	119270-09-21 11:00 G
Earth	45283796.54	119270-09-21 00:55 G	45283797.03	119270-09-21 12:41 G
Neptune	45283796.65	119270-09-21 03:34 G	45283796.96	119270-09-21 11:00 G
Venus	45283796.53	119270-09-21 00:41 G	45283796.96	119270-09-21 11:00 G
Moon	45283796.65	119270-09-21 03:34 G	45283797.14	119270-09-21 15:19 G
Neptune	45283796.65	119270-09-21 03:34 G	45283796.96	119270-09-21 11:00 G
Venus	45283796.53	119270-09-21 00:41 G	45283796.96	119270-09-21 11:00 G
Earth	45283796.54	119270-09-21 00:55 G	45283797.03	119270-09-21 12:41 G
Moon	45283796.65	119270-09-21 03:34 G	45283797.14	119270-09-21 15:19 G
Neptune	45495808.85	119851-03-12 08:22 G	45495808.98	119851-03-12 11:29 G
Mercury	45495808.65	119851-03-12 03:34 G	45495808.98	119851-03-12 11:29 G
Venus	45495808.85	119851-03-12 08:22 G	45495809.22	119851-03-12 17:14 G
Neptune	45524450.87	119929-08-12 08:50 G	45524451.10	119929-08-12 14:22 G
Mercury	45524450.87	119929-08-12 08:50 G	45524451.10	119929-08-12 14:22 G
Venus	45524450.87	119929-08-12 08:50 G	45524451.30	119929-08-12 19:10 G
Neptune	45555803.36	120015-06-14 20:36 G	45555803.66	120015-06-15 03:48 G
Venus	45555803.27	120015-06-14 18:26 G	45555803.66	120015-06-15 03:48 G
Mercury	45555803.36	120015-06-14 20:36 G	45555803.70	120015-06-15 04:46 G
Neptune	45584445.73	120093-11-14 05:29 G	45584445.77	120093-11-14 06:26 G
Venus	45584445.33	120093-11-13 19:53 G	45584445.77	120093-11-14 06:26 G
Mercury	45584445.73	120093-11-14 05:29 G	45584445.92	120093-11-14 10:02 G
Neptune	45615798.08	120179-09-17 13:53 G	45615798.09	120179-09-17 14:07 G
Venus	45615797.71	120179-09-17 05:00 G	45615798.09	120179-09-17 14:07 G
Mercury	45615798.08	120179-09-17 13:53 G	45615798.43	120179-09-17 22:17 G
Neptune	45854873.17	120834-04-11 16:02 G	45854873.40	120834-04-11 21:34 G

Moon	45854872.90	120834-04-11 09:34 G	45854873.40	120834-04-11 21:34 G
Venus	45854873.17	120834-04-11 16:02 G	45854873.62	120834-04-12 02:50 G
Neptune	45854873.17	120834-04-11 16:02 G	45854873.40	120834-04-11 21:34 G
Moon	45854872.90	120834-04-11 09:34 G	45854873.40	120834-04-11 21:34 G
Earth	45854873.00	120834-04-11 11:58 G	45854873.51	120834-04-12 00:12 G
Venus	45854873.17	120834-04-11 16:02 G	45854873.62	120834-04-12 02:50 G
Neptune	45854873.17	120834-04-11 16:02 G	45854873.51	120834-04-12 00:12 G
Earth	45854873.00	120834-04-11 11:58 G	45854873.51	120834-04-12 00:12 G
Venus	45854873.17	120834-04-11 16:02 G	45854873.62	120834-04-12 02:50 G
Neptune	46065285.17	121410-05-14 16:02 G	46065285.33	121410-05-14 19:53 G
Jupiter	46065284.56	121410-05-14 01:24 G	46065285.47	121410-05-14 23:14 G
Mercury	46065285.17	121410-05-14 16:02 G	46065285.33	121410-05-14 19:53 G
Neptune	46186419.87	121742-01-08 08:50 G	46186420.01	121742-01-08 12:12 G
Mercury	46186419.72	121742-01-08 05:14 G	46186420.01	121742-01-08 12:12 G
Venus	46186419.87	121742-01-08 08:50 G	46186420.07	121742-01-08 13:38 G
Neptune	46306145.30	122069-10-25 19:09 G	46306145.40	122069-10-25 21:33 G
Mercury	46306145.15	122069-10-25 15:33 G	46306145.40	122069-10-25 21:33 G
Earth	46306145.30	122069-10-25 19:09 G	46306145.64	122069-10-26 03:19 G
Neptune	46518186.06	122650-05-14 13:24 G	46518186.35	122650-05-14 20:21 G
Jupiter	46518186.05	122650-05-14 13:09 G	46518187.17	122650-05-15 16:02 G
Mercury	46518186.06	122650-05-14 13:24 G	46518186.35	122650-05-14 20:21 G
Neptune	46788922.02	123391-08-13 12:26 G	46788922.12	123391-08-13 14:50 G
Jupiter	46788921.14	123391-08-12 15:19 G	46788922.14	123391-08-13 15:19 G
Mercury	46788922.02	123391-08-13 12:26 G	46788922.12	123391-08-13 14:50 G
Uranus	47046702.99	124097-05-24 11:43 G	47046703.20	124097-05-24 16:45 G
Mercury	47046702.88	124097-05-24 09:05 G	47046703.20	124097-05-24 16:45 G
Moon	47046702.99	124097-05-24 11:43 G	47046703.30	124097-05-24 19:09 G
Uranus	47046703.04	124097-05-24 12:55 G	47046703.20	124097-05-24 16:45 G
Mercury	47046702.88	124097-05-24 09:05 G	47046703.20	124097-05-24 16:45 G
Earth	47046703.04	124097-05-24 12:55 G	47046703.32	124097-05-24 19:38 G

Uranus 47046703.04 124097-05-24 12:55 G 47046703.20 124097-05-24 16:45 G

Mercury 47046702.88 124097-05-24 09:05 G 47046703.20 124097-05-24 16:45 G

Moon 47046702.99 124097-05-24 11:43 G 47046703.30 124097-05-24 19:09 G

Earth 47046703.04 124097-05-24 12:55 G 47046703.32 124097-05-24 19:38 G